

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:  
Donald E. Barrick  
Peter M. Lilleboe

Group Art Unit: 3662

Examiner: Unknown

Serial No.: 10/617,277

Atty. Dkt. No.: CODA:005US

Filed: July 10, 2003

For: CIRCULAR SUPERDIRECTIVE  
RECEIVE ANTENNA ARRAYS

CERTIFICATE OF MAILING  
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to, MS DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.

December 2, 2003

Date

Michael C. Barrett

INFORMATION DISCLOSURE STATEMENT

MS DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

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an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CODA:005US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

*M. C. Barrett*

Michael C. Barrett  
Reg. No. 44,523  
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701  
(512) 474-5201

Date: December 2, 2003

Page 1 of 1

|   |  |   |                          |
|---|--|---|--------------------------|
| Form PTO-1449 (modified)  |  | Atty. Docket No.<br>CODA-005US                      | Serial No.<br>10/617,277 |
| List of Patents and Publications for Applicant's<br><br>INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary) |  | Applicant<br>Donald E. Barrick<br>Peter M. Lilleboe |                          |
|   |  | Filing Date:<br>July 10, 2003                       | Group:<br>3662           |
| U.S. Patent Documents<br>See Page 1   | Foreign Patent Documents<br>See Page 1 | Other Art<br>See Page 1                             |                          |

## U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date     | Name              | Class | Sub Class | Filing Date of App. |
|-------------|-----------|-----------------|----------|-------------------|-------|-----------|---------------------|
|             | A1        | 4,172,255       | 10/23/79 | Barrick and Evans | 343   | 5 W       | 8/8/77              |
|             | A2        | 5,361,072       | 11/1/94  | Barrick et al     | 342   | 133       | 2/28/92             |
|             | A3        | 5,990,834       | 11/23/99 | Barrick and Lipa  | 342   | 418       | 8/29/97             |

## Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|------|---------|-------|-----------|--------------------|
|             |           |                 |      |         |       |           |                    |

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation   |
|-------------|-----------|--|
|             | C1        | Harrington, R. F., (1968), Field Computation by Moment Methods, MacMillan Co.: New York, Chapter 10. |

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

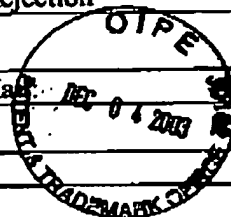
INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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| <input type="checkbox"/> New Application For:  |  | Priority Date:                           |                              |
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**IDENTIFICATION OF APPLICATION**

|   |                          |
|---|--------------------------|
| Serial No.: 10/617,227                                |                          |
| Title: CIRCULAR SUPERDIRECTIVE RECEIVE ANTENNA ARRAYS |                          |
| Applicant: Donald E. Barrick and Peter M. Lilleboe    | Attorney: MCB            |
| Client: CODAR   | F&J File No.: CODA:005US |
| Mailed: December 2, 2003                              | Filed: Due Date:         |



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FACSIMILE: 512/536-4598

**FACSIMILE TRANSMISSION FROM: 512.536.4598**  
If any difficulties occur during transmission, 512.474.5201**DATE:** November 11, 2004**FILE:** CODA:005US / 10303754**TO:** Examiner Dao Linda Phan, Prior Art Group #3662**COMPANY:** U.S. PATENT & TRADEMARK OFFICE**FAX NO.:** 703/872-9306**FROM:** Michael C. Barrett (01963)**SENDER'S  
PHONE:**

512/536-3018

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TO:** Ann King**FLOOR:** 20**NO. OF PAGES TO FOLLOW:**8**ORIGINAL: WILL NOT FOLLOW**

In accordance with your conversation with Nhi Tran last week, enclosed with this transmittal please find:

1. A copy of the IDS and Form PTO-1449 filed December 2, 2003, Fulbright & Jaworski's transmittal letter to the Patent Office dated December 2, 2003, and patent postcard accompanying same, date-stamped "received December 4, 2003" by the Patent Office; and
2. A copy of the Resubmission of IDS and Form PTO-1449 by facsimile on August 26, 2004. Also enclosed is a copy of the PTO Auto-Reply acknowledging receipt of these materials by the PTO on August 26, 2004.

The four (4) references submitted on December 2, 2003, have never been signed off on by an Examiner. We will appreciate your reviewing and signing off on those four references and faxing us a copy of the initialed Form PTO-1449 before November 16, 2004, which is the deadline for paying the issue fee in this case. If you have any questions regarding the intent of this transmission, please contact Nhi Tran direct at 512/536-3023

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08/26/2004 16 31 FAX 512 336 4398 FULBRIGHT & JAWORSKI 0801/008

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DATE: August 26, 2004 MATTER NUMBER: 1030754/CODA-005US

| RECEIPT:   | FAX NO.:     | PHONE NO.:   |
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| Dao Linda Phan, Executive<br>GAU 3663<br>Patent and Trademark Office | 703/872-9306 | 703/306-4167 |

FROM: Martha A. Robinson USED TO: MRL0031 FLOOR: 20  
PHONE: (512) 336-5616 FAX: (512) 336-4398  
RE: RESUBMISSION OF IDS AND FORM PTO-1440  
NUMBER OF PAGES WITH COVER PAGE: 8 Originals Will Not Follow

**MESSAGE:**  
U.S. Application No. 12/617,277 entitled "CIRCULAR SUPERDIRECTIVE RECEIVE ANTENNA ARRAYS" by Donald E. Barrick and Peter M. Lillevak.  
Thank you for your attention to this matter.

**CAUTION - CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND MAY ALSO CONTAIN PRIVILEGED ATTORNEY-CLIENT INFORMATION OR WORK PRODUCT. THIS INFORMATION IS EXTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHOM IT IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE REQUESTED TO ADVISE THE SENDER IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL DOCUMENTATION TO THE ATTORNEY ADDRESSED ABOVE OR THE U.S. POSTAL SERVICE. THANK YOU.

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MICHAEL C. BARRETT  
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TELEPHONE: (512) 474-5201  
FACSIMILE: (512) 536-4598

August 26, 2004

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D.C. 20231, Attn: Examiner Dao Linda Phan, GAU 3662,  
facsimile number (703)872-9306 on the date below:

August 26, 2004  
Date

*Michael C. Barrett*  
Michael C. Barrett

Dao Linda Phan, Examiner  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/617,277 entitled "CIRCULAR SUPERDIRECTIVE  
RECEIVE ANTENNA ARRAYS" – Donald E. Barrick and Peter M. Lilleboe*  
*Our reference: CODA:005US*

Dear Examiner Phan:

After reviewing each of the Office Action and the Notice of Allowability, it has come to our attention that the Information Disclosure Statement, Form PTO-1449 and 4 references submitted on December 2, 2003, were apparently never signed off by an Examiner.

For your convenience we have enclosed a copy of a Information Disclosure Statement and Form PTO-1449 that was filed with the Patent and Trademark Office (PTO) on December 2, 2003. Also enclosed is a copy of PTO stamped postcard indicating the documents submitted and the date received. The copies of the references previously submitted have not been enclosed. Please let us know if you would like us to resubmit those as well.

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Commissioner for Patents  
August 26, 2004  
Page 2

Please review and approve this Information Disclosure Statement. If you need additional information, please let us know.

Thank you for your assistance in this matter.

Respectfully submitted,

*Michael C. Barrett*

Michael C. Barrett  
Reg. No. 44,523

MCB/mar  
Encl.: as noted.

25448114.1



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December 2, 2003

Date

*Michael C. Barrett*

Michael C. Barrett

**MS DD**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**RE:** *U.S. Patent Application No. 10/617,227 entitled "CIRCULAR SUPERDIRECTIVE  
RECEIVE ANTENNA ARRAYS" – Donald E. Barrick and Peter M. Lilleboe  
Our reference: CODA:005US*

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1-A3 and C1.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CODA:005US.

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Respectfully submitted,

*Michael C. Barrett*

Michael C. Barrett  
Reg. No. 44,523

MCB/kmv  
Encl.: as noted

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